

**Attachment 11-I**

**NATIONAL TRANSPORTATION SAFETY BOARD**

**Washington, D. C.**

1994 Turbulence Event

(13 Pages)

## FAA INCIDENT DATA SYSTEM REPORT

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**General Information**

Data Source: FAA INCIDENT DATA SYSTEM  
Report Number: 19941128043499C  
Local Date: 11/28/1994  
Local Time: 07:30  
City: SAN JUAN  
State: PR  
Airport Name:  
Airport Id:  
Event Type: INCIDENT - AIR CARRIER  
Mid Air Collision: NOT A MIDAIR

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**Aircraft Information**

Aircraft Damage: MINOR  
Phase of Flight: NORMAL CRUISE  
Aircraft Make/Model: AIRBUS A-300-B4605R  
Airframe Hours: 18594  
Operator Code: AALA  
Operator: AMERICAN AIRLINES INC - AALA  
Owner Name: AMERICAN AIRLINES INC

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**Narrative**

ENCOUNTERED SEVERE CLEAR AIR TURBULENCE AT CRUISE. PASSENGERS INJURED.  
LANDED SAN JUAN WITHOUT FURTHER INCIDENT.

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**Detail**

Primary Flight Type: SCHEDULED AIR CARRIER  
Secondary Flight Type: PASSENGERS  
Type of Operation: AIR CARRIER/COMMERCIAL  
Registration Number: 14053  
Total Aboard: 221  
Fatalities: 0  
Injuries: 47  
  
Landing Gear: RETRACT TRICYCLE  
Aircraft Weight Class: OVER 12500 LBS

Engine Make:  
Engine Model:  
Engine Group:  
Number of Engines: 2  
Engine Type:

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**Environmental/Operations Information**

Primary Flight Conditions: VISUAL FLIGHT RULES  
Secondary Flight Conditions: TURBULENCE  
Wind Direction (deg):  
Wind Speed (mph):  
Visibility (mi): GREATER THAN 10 MILES  
Visibility Restrictions:  
Light Condition: DAY  
Flight Plan Filed: INSTRUMENT FLIGHT RULES  
Approach Type:

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**Pilot-in-Command**

Pilot Certificates: AIRLINE TRANSPORT  
Pilot Rating: AIRPLANE SINGLE, MULTI-ENGINE LAND  
Pilot Qualification: QUALIFIED

Flight Time (Hours)

Total Hours:  
Total in Make/Model:  
Total Last 90 Days:  
Total Last 90 Days Make/Model:

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0582-1210-3304

AC 053 AA PIR.48  
MDIS.29NOV/MIA T-0972  
MAINT ENTRY 17AF FLOOR VENT DAMAGED.

SYS 2520  
EMPL CREW

INFO.1 /29NOV/MIA  
ACCOMP FIELD REPAIR DFRD PER GPM ENT IN MIC.  
DFRL.2 /29NOV/MIA /TA RSN. NT

EMPL 159183

EMPL 159183

FACT.29NOV/JFK/PS  
REPAIRED PANEL CKS OK

EMPL 173850

05325CFC5/2040.29NOV.MIA

ITEM NBR 0003

0582-1210-3304

AC 053 AA PIR.45 \*\*ALERT\*\*  
MDIS.29NOV/MIA T-0799  
SEAT 33G BACK WILL NOT STAY UP.

SYS 2521  
EMPL 054103

FACT.29NOV/MIA/TA  
/RELEASED STUCK BUTTON AND CHKS OK.

EMPL 015863

05325CFC0/1212.29NOV.MIA

ITEM NBR 0004

0582-1210-3304

AC 053 AA PIR.40 \*\*ALERT\*\*  
MDIS.29NOV/SJU T-1218  
MAINT ENTRY - T/T 27D AND 27H BROKEN

SYS 2522  
EMPL CREW

FACT.29NOV/SJU/TS  
REPLACED TRAYTABLES 27D AND H , OK FOR SVC.

EMPL 073972

05325CFBA/0915.29NOV.SJU

ITEM NBR 0005

0582-1210-3304

AC 053 AA PIR.37  
MDIS.29NOV/SJU T-1218  
MAINT ENTRY - FOUND O/H BIN COMPT DOOR SUPPORT AREA  
BROKEN AT 29B

SYS 2520  
EMPL CREW

INFO.1 /29NOV/SJU

EMPL 083864

PLACARDED 29B O/H BIN COMPT DOOR INOP PER TSC REF  
25-88A AUTH 11-9051C-B . ENTERED IN MIC

FACT.29NOV/JFK/PS

EMPL 132437

REPLACED OK BIN DOOR AND GRAB PANEL AT 29B OK FOR  
SVC REMOVED MEL 11-9051C-B CLEARED MIC SHEET

05325CFB9/0913.29NOV.SJU

ITEM NBR 0006

AC 053 AA PIR.38 \*\*ALERT\*\*  
MDIS.29NOV/SJU T-1218

SYS 2521  
EMPL CREW

MAINT ENTRY - FOUND PSU PANEL DAMAGED AT 16AB

INFO.1 /29NOV/SJU

EMPL 083864

PLACARDED 16AB SEATS INOP PER MEL REF 25-99 AUTH  
11-9046-C. ENTERED IN MIC SHEET

FACT.29NOV/JFK/PS

EMPL 336412

REPLACED PSW PNL AT 16AB OPS NML REMOVED PLACARD  
11-9046-C CLEARED MIC

05325CFB8/0911.29NOV.SJU

ITEM NBR 0007

AC 053 AA PIR.37 \*\*ALERT\*\*  
MDIS.29NOV/SJU T-1218

SYS 2521  
EMPL CREW

MAINT ENTRY - FOUND PSU PANEL DAMAGED AT 34AB

INFO.1 /29NOV/SJU

EMPL 083864

PLACARDED 34AB SEATS INOP PER MEL REF 25-99 AUTH  
11-9047-C. ENTERED IN MIC SHEET

FACT.29NOV/JFK/PS

EMPL 336412

REPLACED PSU PNL AT 34AB OPS NML REMOVED PLACARD  
11-9047-C CLEARED MIC

05325CFB7/0910.29NOV.SJU

ITEM NBR 0008

AC 053 AA PIR.36 \*\*ALERT\*\*  
MDIS.29NOV/SJU T-1218

SYS 2521  
EMPL CREW

MAINT ENTRY - FOUND PSU PANEL DAMAGED AT 30CD

INFO.1 /29NOV/SJU

EMPL 083864

PLACARDED 30CD SEATS INOP PER MEL REF 25-99 AUTH  
11-9048-C. ENTERED IN MIC SHEET

FACT.29NOV/JFK/PS

EMPL 336412

REPLACED PSU PNL 30CD OPS NML REMOVED PLACARD  
11-9048-C CLEARED MIC

05325CFB6/0909.29NOV.SJU

ITEM NBR 0009

AC 053 AA PIR.35 \*\*ALERT\*\*  
MDIS.29NOV/SJU T-1218

SYS 2521  
EMPL CREW

MAINT. ENTRY - FOUND PSU PANEL DAMAGED AT 30HJ

INFO.1 /29NOV/SJU

EMPL 083864

PLACARDED 30HJ SEATS INOP PER MEL REF 25-99 AUTH  
11-9049-C. ENTERED IN MIC SHEET

FACT.29NOV/JFK/PS

EMPL 336412

REPLACED PSU PNL AT 30HJ OPS NML RECORD PLACARD  
11-9049-C CLEARED MIC

05325CFB5/0908.29NOV.SJU

ITEM NBR 0010

AC 053 AA TFI.

SYS 2520

MDIS.29NOV/SJU

PRI 2

TSC 11-9051C-B

REF.2588A

EMPL MELINT

BINS AND COBS, ISER, 3 DAYS.....  
OVERHEAD BIN DOOR 29B BROKEN..TAPED CLSD

ATBT.29NOV/TUL

NAME J. L. BRASWELL

EMPL 303769

1

INSPECT DOOR AND REPAIR/REPLACE AS REQUIRED.

FACT.29NOV/JFK/PS

EMPL 132437

REPLACED O.H. BIN DOOR AND GRAB HANDLE PANEL AT 29B  
OK FOR SUC REMOVED MEL 11-9051C-B CLEARED MIC SHEET

05325CFB2/0307.29NOV.TUL

ITEM NBR 0011

AC 053 AA TFI.

KWRD .INFO..... POSN 29DC

SYS 2510

MDIS.28NOV/SJU

PRI 2

TSC 11-9050-C

REF.2599

EMPL MELINT

DONOT SELL SEAT \*COSMETIC PSU PAN DAMAGE

ATBT.28NOV/TUL

NAME R. W. STROTHMANN

EMPL 013173

1 INSPECT DAMAGE AND REPLACE OR REPAIR AS PER

2 FINDINGS

FACT.29NOV/JFK/PS

EMPL 132437

REPAIRED PSU PANEL OP CKS OK REMOVED MEL 11-9050-C

CLEARED MIC SHEET

05325CFB1/2132.28NOV.TUL

ITEM NBR 0012

AC 053 AA TFI.

KWRD .INFO..... POSN 30HJ

SYS 2510

MDIS.28NOV/SJU

PRI 2

TSC 11-9049-C

REF.2599

EMPL MELINT

DONOT SELL SEAT \*COSMETIC PSU PAN DAMAGE

ATBT.28NOV/TUL

NAME R. W. STROTHMANN

EMPL 013173

1 INSPECT DAMAGE AND REPLACE OR REPAIR AS PER

2 FINDINGS

FACT.29NOV/JFK/PS

EMPL 336412

REPLACED PSU PNL AT SEAT 30HJ OPS NML REMOVED  
PLACARD 11-9049-C CLEARED MIC

05325CFB0/2132.28NOV.TUL

ITEM NBR 0013

AC 053 AA TFI.

KWRD .INFO..... POSN 30CD

SYS 2510

MDIS.28NOV/SJU

PRI 2

TSC 11-9048-C

REF.2599

EMPL MELINT

DONOT SELL SEAT \*COSMETIC PSU PAN DAMAGE

ATBT.28NOV/TUL

NAME R. W. STROTHMANN

EMPL 013173

1 INSPECT DAMAGE AND REPLACE OR REPAIR AS PER

2 FINDINGS

FACT.29NOV/JFK/PS

EMPL 335412

REPLACED PSU PNL AT SEAT 30CD OPS NML REMOVED  
PLACARD 11-9048-C CLEARED MIC

05325CFAF/2131.28NOV.TUL

ITEM NBR 0014



AC 053 AA TFI.

KWRD .INFO..... POSN 34B

SYS 2510

MDIS.28NOV/SJU

TSC 11-9047-C

REF.2599

PRI 2

DONOT SELL SEAT \*COSMETIC PSU PAN DAMAGE

EMPL MELINT

ATBT.28NOV/TUL

NAME R. W. STROTHMANN

EMPL 013173

1 INSPECT DAMAGE AND REPLACE OR REPAIR AS PER

2 FINDINGS

FACT.29NOV/JFK/PS

REPLACED SPU PNL AT SEAT 34B OPS NML REMOVED

PLACARD 11-9047-C CLEARED MIC

EMPL 336412

05325CFAE/2131.28NOV.TUL

ITEM NBR 0015

AC 053 AA TFI.

KWRD .INFO..... POSN 16AB

SYS 2510

MDIS.28NOV/SJU

TSC 11-9046-C

REF.2599

PRI 2

DONOT SELL SEAT \*COSMETIC PSU PAN DAMAGE

EMPL MELINT

ATBT.28NOV/TUL

NAME R. W. STROTHMANN

EMPL 013173

1 INSPECT DAMAGE AND REPLACE OR REPAIR AS PER

2 FINDINGS

FACT.29NOV/JFK/PS

REPALCED PSU PNL AT SEAT 16AB OPS NML REMOVED

PLACARD 11-9046-C CLEARED MIC

EMPL 336412

05325CFAD/2131.28NOV.TUL

ITEM NBR 0016

AC 053 AA PIR.47 \*\*ALERT\*\*

MDIS.29NOV/MIA T-0972

SYS 2740

INFO TO MAINT TRIM STARTED WORKING PROPERLY ON

SHORT FINAL.

EMPL 089271

FACT.29NOV/MIA/TA

INFO NOTED.

EMPL 143116

05327CFC4/2039.29NOV.MIA

ITEM NBR 0017

0582-1210-3304

AC 053 AA PIR.46 \*\*ALERT\*\*  
MDIS.29NOV/MIA T-0972

SYS 2740  
EMPL CREW

COPILOTS TRIM SWITCH PICKLE SWITCH WILL NOT TRIM  
NOSE DOWN. IT DOES TRIM NOSE UP.

FACT.29NOV/MIA/TA

EMPL 143116

ACCOMP OPERATIONAL CK OF FIRST OFFICERS PICKLE  
SWITCH SYS CKD NML ON GROUND UNABLE TO DUPLICATE  
PIREP A/C OK FOR RESUME SVC.

05327CFC3/2036.29NOV.MIA

ITEM NBR 0018

0582-1210-3304

AC 053 AA TFI. \*\*ALERT\*\*

SYS 2740

MDIS.29NOV/TUL

\*\*TECH LIST\*\*

PRI 1  
EMPL 013173

REPEATS OF F/OS PICKLE SWITCH INOP.

PART.29NOV/TUL

EMPL 013173

1 CPN SWI5146

QTY 1

EATBT.29NOV/TUL NAME R. W. STROTHMANN

EMPL 013173

1 REPLACE THE F/OS TRIM SWITCH.

FACT.29NOV/JFK/PS

EMPL 334003

REPLACED F/O PICKLE SWITCH ACCOMPLISHED M.H. CHECK  
OUT OPS CKS OK

05327CFC2/1722.29NOV.TUL

ITEM NBR 0019

0582-1210-3304

AC 053 AA MNT.

SYS 2899

MDIS.30NOV/MOC

JOB CRD0903

EMPL FMWC

\*\*\*\*\* FOR THE FOLLOWING STATIONS ONLY \*\*\*\*\*

\*\*\*\*\* JFK MIA SJU PTY \*\*\*\*\*

.....ACCOMPLISH A300 SPECIAL ITEM CARD 0903.....

05328CFC7/0628.30NOV.MOC

ITEM NBR 0020

AC 053 AA MNT.  
MDIS.29NOV/MOC

JOB CRD0903

SYS 2899  
EMPL FMWC

\*\*\*\*\* FOR THE FOLLOWING STATIONS ONLY \*\*\*\*\*  
\*\*\*\*\* JFK MIA SJU PTY \*\*\*\*\*  
.....ACCOMPLISH A300 SPECIAL ITEM CARD 0903.....

FACT.29NOV/JFK/PS  
ACCOMP

EMPL 132437

05328CFB3/0546.29NOV.MOC

ITEM NBR 0021

AC 053 AA MNT.  
MDIS.22NOV/MOC

JOB CRD0903

SYS 2899  
EMPL FMWC

\*\*\*\*\* FOR THE FOLLOWING STATIONS ONLY \*\*\*\*\*  
\*\*\*\*\* JFK MIA SJU PTY \*\*\*\*\*  
.....ACCOMPLISH A300 SPECIAL ITEM CARD 0903.....

DFRL.1 /23NOV/PHL /PS  
DFRL.2 /24NOV/PHL /PS  
DFRL.3 /25NOV/BDS /PS

RSN. SC  
RSN. SC  
RSN. SC

EMPL MECH  
EMPL MECH  
EMPL 309622

FACT.27NOV/JFK/PS  
ACCOMP SIC 0903

EMPL 197137

05328CF7D/0556.22NOV.MOC

ITEM NBR 0022

AC 053 AA PIR.42  
MDIS.29NOV/SJU T-1218

SYS 3270  
EMPL CREW

PAINT MISSING ON LEADING EDGE OF TAIL SKID

FACT.29NOV/SJU/TS

EMPL 073972

INSPECTED TAIL SKID ASSY AND OK FOR CONTINUOUS SVC.  
PAINT SHIP PINNS WITHIN LIMITS

05332CFBC/0927.29NOV.SJU

ITEM NBR 0023

0582-1210-3304

0582-1210-3304

0582-1210-3304

AC 053 AA PIR.41

SYS 3210

MDIS.29NOV/SJU T-1218

EMPL CREW

1 NOSE GEAR TIRE AND NEARLY ALL MAIN GEAR TIRES  
WERE NOT INFLATED ACORDING TO LIMITS PLACARDED ON  
TIRE (WHEELS COLD)

FACT.29NOV/SJU/TS

EMPL 073972

RESERVICED ALL MLG TIRE ASSY AND NOSE TIRES, OK FOR  
SVC.

05332CFBB/0925.29NOV.SJU

ITEM NBR 0024

AC 053 AA PIR.43

SYS 3310

MDIS.29NOV/MIA T-0799

EMPL 054103

BULB BURNED OUT ON FLT RECORDED ON BUTTON.

FACT.29NOV/MIA/TA

EMPL 045463

/RELAMPED AND CHKS OK.

05333CFBE/1210.29NOV.MIA

ITEM NBR 0025

AC 053 AA PIR.49

SYS 4988

MDIS.29NOV/JFK T-1088

EMPL 317932

MAINT ENTRY RECORD APU OIL ADDED AND HOURMETER  
READING

FACT.29NOV/JFK/PS

EMPL 317932

ZERO APU OIL ADDED HOURMETER READS 3178.9

05349CFC6/0654.30NOV.JFK

ITEM NBR 0026



# Debrief Records Report: De-Identified

## DEBRIEF INFORMATION

## RESPONSE INFORMATION

DEBRIEF DATE: 11/29/1994 CATEGORY CODE: IRTUZZZZ

EQP: 300

DTN: 94014514

AIR TURBULENCE

FLT: 1218 DTE: 11/28/1994 DEP: BGI ARR: SJU STS: C TYPE: C

ENROUTE FROM BGI TO SJU ON FLT 1218 APPROXIMATELY 30NM NORTH OF THE FOF VOR AT FL350, WE ENCOUNTERED UNEXPECTED SEVERE TURBULENCE LASTING ABOUT 6 SECONDS. THE FORECAST WAS FOR CLEAR AND SMOOTH CONDITIONS. THE CAPTIAN WAS FLYING WITH THE NUMBER 1 AUTO PILOT ENGAGED. THE CAPT HAD JUST FINISHED HIS P.A. AND THE FASTEN SEATBELT SIGN WAS TURNED OFF. DUE TO THE DARKNESS, THE WEATHER RADAR WAS ON WITH THE CAPTAINS DISPLAY ON THE 120NM RANGE AND THE FIRST OFFICERS ON 240. THERE WAS NO WEATHER OBSERVED ON THE RADAR NOR WERE THERE ANY VISUAL CLUES OUTSIDE TO INDICATE ANY WEATHER. TWO HOURS PRIOR WE HAD FLOWN THE SAME ROUTE ON FLIGHT 1135 FROM SJU TO BGI WITH A SMOOTH RIDE IN DAYLIGHT CONDITIONS. DURING THE BRIEF BUT SEVERE TURBULENCE THE NUMBER 1 AUTO PILOT DISENGAGED HOWEVER WE DID NOT NOTICE ANY SIGNIFICANT AIRSPEED OR ALTITUDE DEVIATIONS. THE NUMBER 1 FLIGHT ATTENDANT REPORTED THAT THERE WERE SOME INJURIES TO BOTH THE FLIGHT ATTENDANTS AND PASSENGERS. A REPORT WAS PASSED THRU FLIGHT SUPPORT LIMA TO DISPATCH AND TO ATC. THE DECISION WAS MADE TO CONTINUE ON TO SJU BECAUSE OF THE AVAILABILITY OF QUALITY MEDICAL AND GROUND SUPPORT PERSONNEL. THE REMAINDER OF THE FLIGHT WAS UNEVENTFUL.

DEBRIEF DATE: 11/29/1994 CATEGORY CODE: IRTUZZZZ

EQP: 300

DTN: 94014517

AIR TURBULENCE

FLT: 1218 DTE: 11/28/1994 DEP: BGI ARR: SJU STS: C TYPE: C

APPROXIMATELY 30NM NORTH OF FOF VOR ON AIRWAY UA555 FL350 AIRCRAFT SUDDENLY ENCOUNTERED SEVERE TURBULENCE- THE DURATION LASTING APPROXIMATELY 5 SECONDS. FORECAST AND ACTUAL FLIGHT CONDITIONS PRIOR TO THE INCIDENT WERE CLEAR AND SMOOTH. CAPT WAS FLYING THE AIRCRAFT WITH THE NO 1 A/P ENGAGED. THE FASTEN SEAT BELT SIGN HAD JUST BEEN TURNED OFF ALONG WITH THE REQUIRED PA TO KEEP SEAT BELTS FASTENED WHILE SEATED. DUE TO THE DARKNESS BOTH PILOTS WERE OBSERVING THE WX RADAR WITH ONE SET ON THE 120NM RANGE AND THE OTHER ON THE 240NM RANGE. THERE WAS NO WEATHER OBSERVED ON RADAR AND NO OUTSIDE VISUAL CLUES TO INDICATE ANY IN THE VICINITY. TWO HOURS PRIOR, THE AIRCRAFT AND CREW HAD PASSED OVER THE SAME AREA AT FL330 ENROUTE FROM SJU TO BGI ON AA FLIGHT 1135 WITH A SMOOTH RIDE AND NO WEATHER IN DAYLIGHT CONDITIONS. DURING THE INCIDENT THE A/P DISENGAGED BUT NO EXCESSIVE GAIN OR LOSS OF ALTITUDE WAS RECALLED. THE PREMIUM F/A REPORTED THERE WERE SOME INJURIES TO BOTH CABIN CREW AND PASSENGERS. A REPORT WAS MADE TO AA DISPATCH THRU FLIGHT SUPPORT LIMA AND TO ATC THE DECISION WAS MADE TO CONTINUE AND LAND AT SJU DUE TO THE KNOWN AVAILABILITY OF QUALITY MEDICAL ASSISTANCE AND GROUND SUPPORT PERSONNEL THERE.

F4 I  
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To	R. YORMAN	From	D. DEEGAN
Co.		Co.	
Dept.		Phone #	
Fax #	2-6858	Fax #	